ENVIRONMENT CANADA

NEW BRUNSWICK DEPARTMENT OF THE ENVIRONMENT

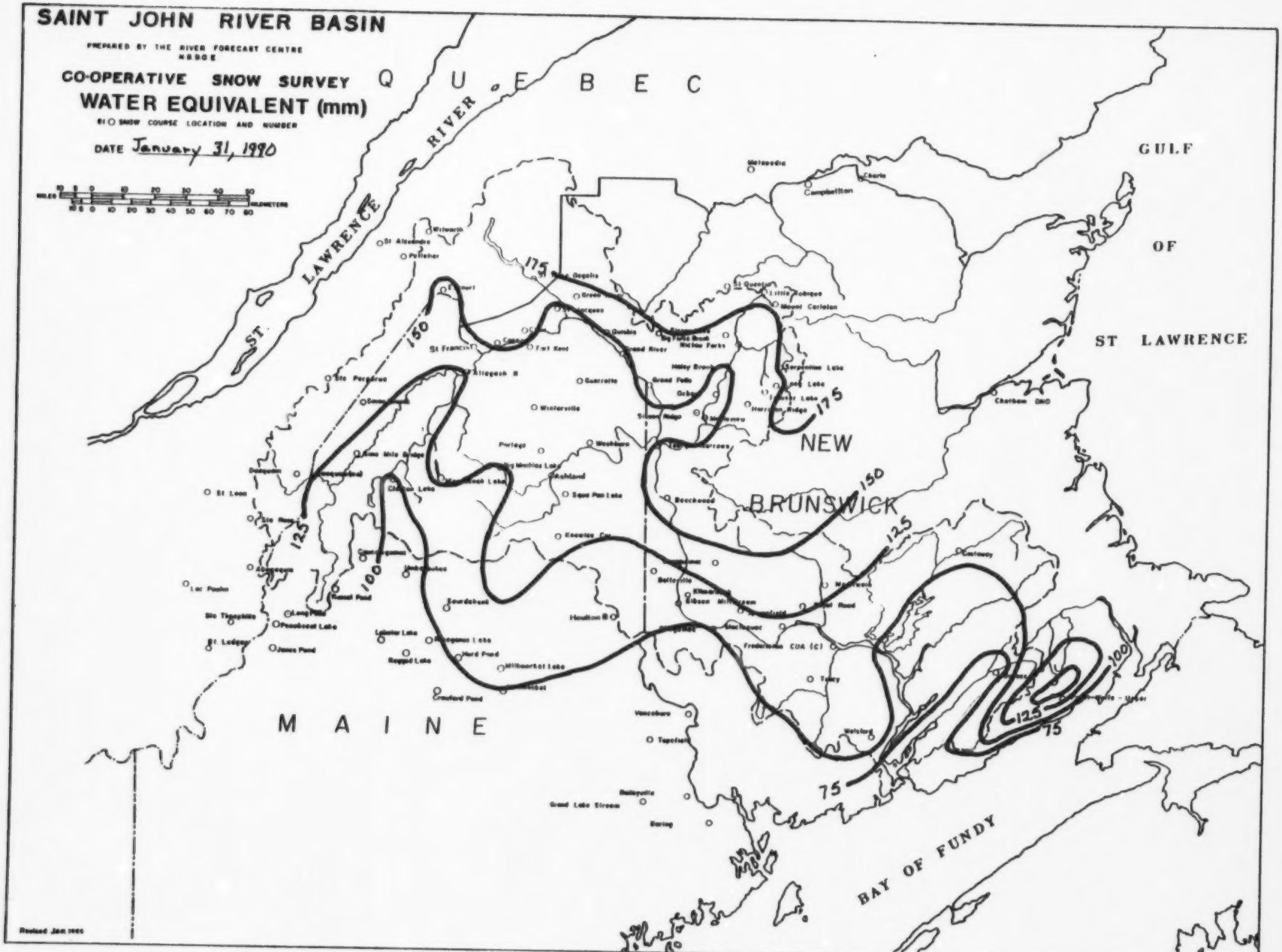
SAINT JOHN RIVER BASIN
CO-OPERATIVE SNOW SURVEY

JANUARY 31,1990

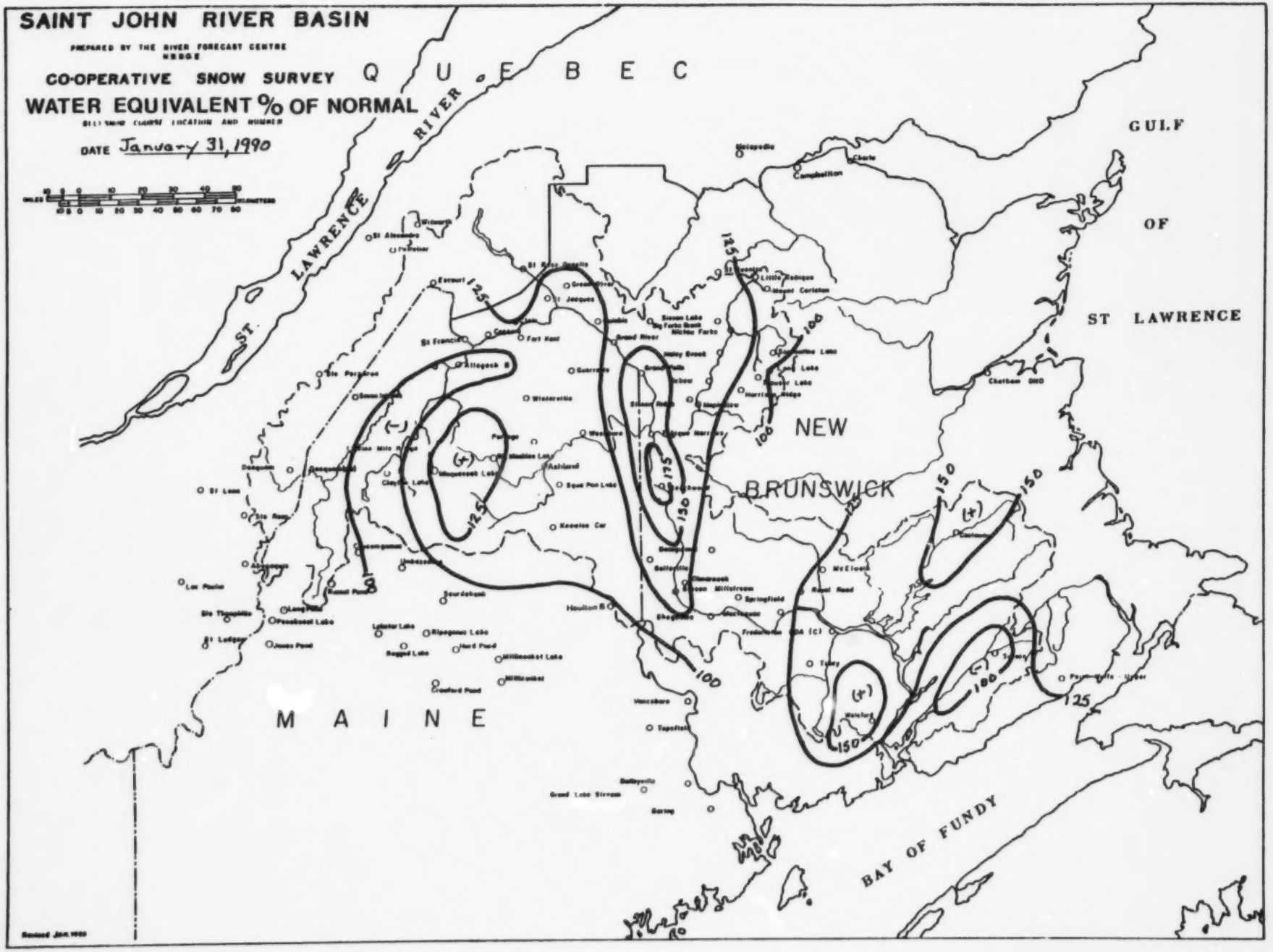
PREPARED BY
SAINT JOHN RIVER FORECAST CENTRE
WATER RESOURCE PLANNING
NEW BRUNSWICK DEPARTMENT
OF THE ENVIRONMENT

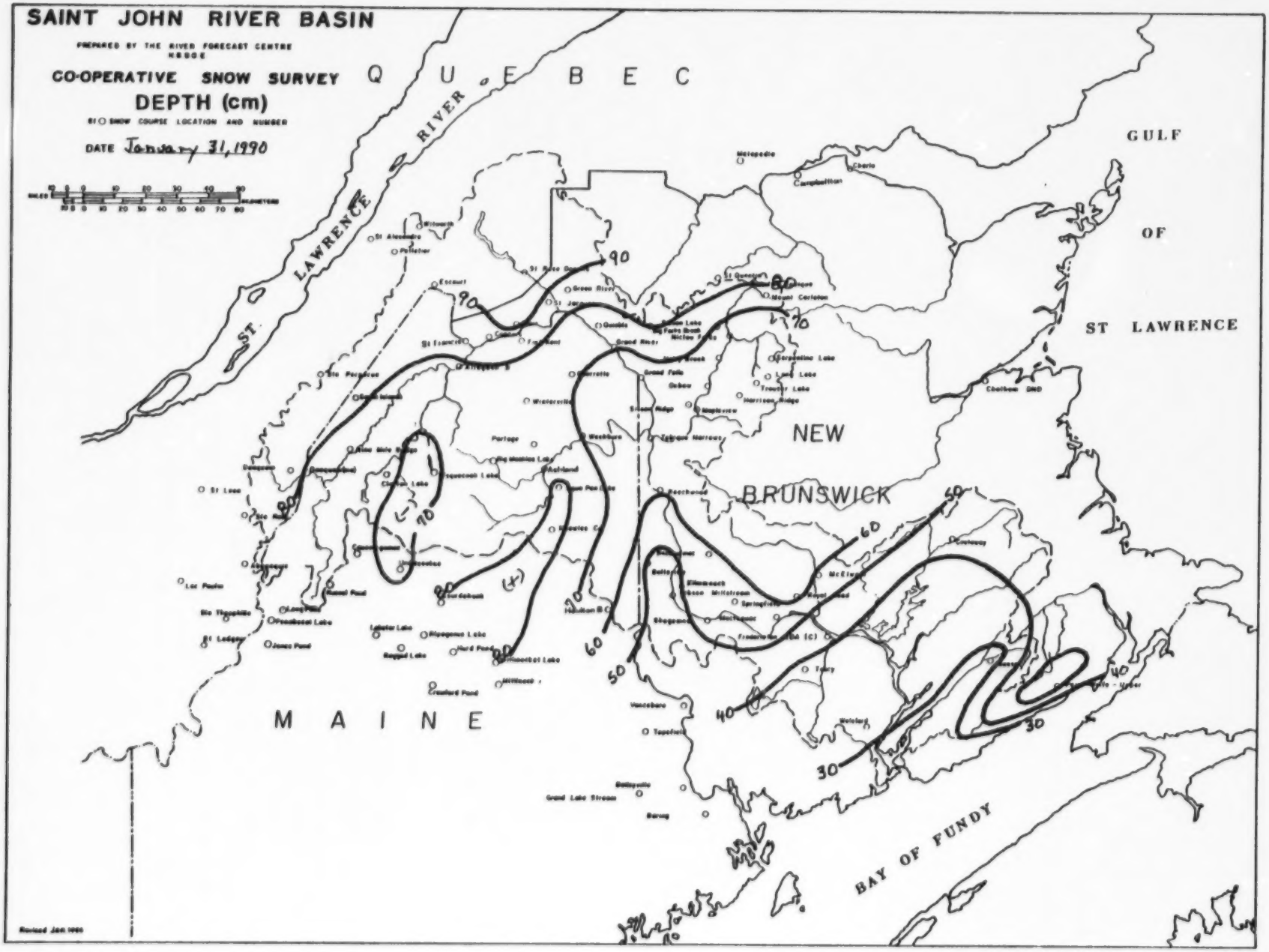
CO-OPERATING AGENCIES

U.S. GEOLOGICAL SURVEY
GREAT NORTHERN PAPER COMPANY
MAINE PUBLIC SERVICE COMPANY
U.S. NATIONAL WEATHER SERVICE
N.B. ELECTRIC POWER COMMISSION
MINISTERE de l'ENVIRONMENT QUEBEC
ENVIRONMENT CANADA
AGRICULTURE CANADA
N.B. DEPARTMENT OF TOURISM


SAINT JOHN RIVER BASIN
PREPARED BY THE RIVER FORECAST CENTRE
NBSOE
CO-OPERATIVE SNOW SURVEY
WATER EQUIVALENT (mm)
SNOW COURSE LOCATION AND NUMBER
DATE January 31, 1990
Q U E B E C
ST LAWRENCE RIVER
GULF OF ST LAWRENCE
NEW BRUNSWICK
MAINE
BAY OF FUNDY
175
150
125
100
75

91-00523/


SAINT JOHN RIVER BASIN
PREPARED BY THE RIVER FORECAST CENTRE
NBDOE
CO-OPERATIVE SNOW SURVEY
WATER EQUIVALENT % OF NORMAL
DATE January 31, 1990
QUEBEC
ST LAWRENCE RIVER
GULF OF ST LAWRENCE
NEW BRUNSWICK
MAINE
BAY OF FUNDY
125
100
150
(+)
(-)


SAINT JOHN RIVER BASIN
PREPARED BY THE RIVER FORECAST CENTRE
HRDDC
CO-OPERATIVE SNOW SURVEY
DEPTH (cm)
SNOW COURSE LOCATION AND NUMBER
DATE January 31, 1990
QUEBEC
ST LAWRENCE RIVER
GULF OF ST LAWRENCE
NEW BRUNSWICK
MAINE
BAY OF FUNDY
90
80
70
60
50
40
30
Revised Jan 1990

JANUARY 31,1990
SNOW COURSE STATION LISTING

STATION NAME	CURRENT WATER (mm)	CURRENT DEPTH (cm)	CURRENT DENSITY	LONG TERM AVERAGE WATER (mm)	LONG TERM AVERAGE DEPTH (cm)	LONG TERM AVERAGE DENSITY	YRS OF RECORD	WATER % OF NORMAL
BECAGUIMEC	89.0	54.1	.165	91.3	46.9	.189	15	97.
BEECHWOOD (O)	169.0	71.1	.238	77.2	41.5	.157	6	219.
BEECHWOOD (F)	185.0	61.0	.303	94.2	43.0	.211	6	196.
BEECHWOOD (AVG)	177.0	66.1	.268	80.5	39.3	.199	22	220.
BELLEVILLE	69.0	47.2	.146	92.5	47.8	.182	15	75.
BIG FORKS BR.	170.0	86.4	.197	124.9	60.9	.205	7	136.
CLAIR	170.0	93.2	.182	136.3	68.1	.203	26	125.
CONNORS	156.0	85.4	.183	134.9	65.4	.202	27	116.
GIBSON MILLSTREA	103.0	44.7	.230	74.5	37.9	.190	15	138.
GRAND FALLS	178.0	65.0	.274	106.1	51.6	.203	29	168.
GRAND RIVER (O)	156.0	71.9	.217	107.1	53.8	.198	7	146.
GRAND RIVER (F)	140.0	70.2	.199	110.9	57.5	.193	7	126.
GRAND RIVER (AVG	148.0	71.1	.208	114.8	57.9	.195	29	129.
GREEN RIVER (O)	147.0	87.9	.167	112.7	58.4	.196	6	130.
GREEN RIVER (F)	173.0	86.4	.200	137.5	65.5	.213	6	126.
GREEN RIVER (AVG	160.0	87.2	.183	147.5	72.4	.200	26	108.
HALEY BROOK	150.0	67.3	.223	111.0	56.4	.195	16	135.
HARRISON RIDGE	149.0	58.4	.255	140.2	67.2	.205	34	106.
LONG LAKE	137.0	58.9	.233	155.2	71.9	.213	26	88.
MACTAQUAC	87.0	56.1	.155	91.7	48.1	.188	18	95.
MAPLEVIEW	146.0	61.0	.239	106.0	56.6	.183	30	138.
NICTAU FORKS	152.0	65.0	.234	107.3	60.2	.179	29	142.
OXBOW	130.0	53.3	.244	101.1	51.8	.193	17	129.
QUISBIS	152.0	72.6	.209	132.9	68.0	.191	29	114.
SERPENTINE LAKE	183.0	63.5	.288	154.0	71.5	.215	26	119.
SHOGOMOC	97.0	55.1	.176	91.8	42.5	.214	30	106.
SISSON RIDGE	132.0	61.7	.214	106.6	53.6	.199	32	124.
SPRINGFIELD	89.0	50.9	.175	94.8	50.9	.177	15	94.
ST JACQUES	147.0	77.5	.190	133.9	63.3	.207	27	110.
ST QUENTIN (F)	196.0	87.1	.225	155.8	70.4	.218	16	126.
ST QUENTIN (O)	318.0	104.6	.304	159.2	63.3	.244	15	200.
ST QUENTIN (AVG)	257.0	95.9	.268	137.5	64.6	.208	28	187.
TOBIQUE NARROWS	160.0	66.5	.241	92.2	49.2	.185	29	173.
TROUSER LAKE	184.0	66.0	.279	158.9	72.6	.216	26	116.
ST FRANCIS	128.0	80.8	.158	117.6	57.6	.200	27	109.
NASHWAAK	999.9	999.9	9.999	176.8	69.9	.264	3	999.
HAYDEN BROOK	999.9	999.9	9.999	116.3	56.5	.195	9	999.
MIDDLE BROOK	999.9	999.9	9.999	110.7	60.2	.174	10	999.
MCELWAIN	140.0	59.0	.237	109.6	49.1	.221	22	128.
ROYAL ROAD	999.9	999.9	.000	77.3	36.1	.207	13	999.
ROYAL ROAD EAST	137.0	63.1	.217	110.7	50.4	.216	24	124.
SUSSEX (O)	999.9	999.9	9.999	26.7	15.8	.193	6	999.
SUSSEX (F)	30.0	11.0	.273	57.1	28.4	.210	25	53.
TRACY (O)	60.0	18.0	.333	50.1	26.8	.248	7	120.
TRACY (F)	120.0	35.0	.343	85.7	36.1	.234	21	140.
ELMCROFT (O)	999.9	999.9	9.999	48.0	34.7	.114	3	999.
ELMCROFT (F)	999.9	999.9	9.999	42.7	33.3	.100	3	999.
ELMCROFT (AVG)	999.9	999.9	.000	58.9	28.6	.444	23	999.
LEPREAU	999.9	999.9	.000	59.2	26.4	.221	22	999.
POINT WOLFE (UPP	150.0	51.0	.294	112.4	47.7	.224	20	133.
WELSFORD (O)	1.0	3.0	.033	30.6	19.3	.186	7	3.
WELSFORD (F)	130.0	38.0	.342	69.4	35.1	.210	7	187.
CASTAWAY (O)	60.0	17.0	.353	62.8	30.5	.240	5	96.
CASTAWAY (F)	110.0	41.0	.268	60.2	37.1	.156	6	183.
CHASE CAMP F	999.9	999.9	9.999	110.6	49.4	.217	19	999.
HEDGEHOG MT A	999.9	999.9	9.999	123.9	59.9	.208	20	999.
HEDGEHOG MT B	999.9	999.9	9.999	122.7	58.6	.212	20	999.
MILLINOCKET G	999.9	999.9	9.999	106.2	50.7	.219	20	999.

JANUARY 31,1990
SNOW COURSE STATION LISTING

STATION NAME	CURRENT WATER (mm)	CURRENT DEPTH (cm)	CURRENT DENSITY	LONG TERM AVERAGE WATER (mm)	LONG TERM AVERAGE DEPTH (cm)	LONG TERM AVERAGE DENSITY	YRS OF RECORD	WATER % OF NORMAL
MILLINOCKET H	999.9	999.9	9.999	113.4	54.3	.217	19	999.
SALMON POOL E	999.9	999.9	9.999	113.4	52.2	.213	20	999.
SQUA PAN DAM C	131.0	83.3	.157	115.9	55.6	.225	26	113.
SQUA PAN DAM D	104.0	67.8	.153	112.1	52.7	.216	26	93.
CAUCOMGOMOC	999.9	999.9	9.999	137.4	70.0	.219	9	999.
CRAWFORD POND	999.9	999.9	9.999	170.4	75.8	.241	7	999.
HURD POND	999.9	999.9	9.999	121.6	59.8	.203	7	999.
JONES POND	999.9	999.9	9.999	152.2	67.2	.243	5	999.
LOBSTER LAKE	999.9	999.9	9.999	121.1	49.8	.255	7	999.
LONG POND	999.9	999.9	9.999	136.5	62.9	.208	4	999.
MILLINOCKET LAKE	999.9	999.9	9.999	145.2	61.2	.244	9	999.
MILLINOCKET	101.0	78.7	.128	138.6	60.6	.243	10	73.
PENOBSCOT LAKE	999.9	999.9	9.999	179.0	72.9	.264	6	999.
RAGGED LAKE	999.9	999.9	9.999	121.8	56.7	.222	5	999.
RIPOGENUS B	97.0	83.8	.116	140.5	64.7	.233	10	69.
RUSSEL POND B	999.9	999.9	9.999	143.7	73.8	.215	5	999.
SOURDAHUNK	999.9	999.9	9.999	129.9	59.6	.221	8	999.
UMBAZOOKUS	999.9	999.9	9.999	138.7	69.5	.204	5	999.
ASHLAND	999.9	999.9	9.999	132.0	59.7	.210	16	999.
FORT KENT	999.9	999.9	9.999	135.9	60.6	.212	20	999.
KNOWLES CORNER	999.9	999.9	9.999	145.0	63.0	.217	17	999.
PORTAGE LAKE	999.9	999.9	9.999	147.5	59.5	.239	13	999.
WASHBURN	91.0	51.1	.178	115.7	53.2	.208	18	79.
WINTERVILLE	999.9	999.9	9.999	168.9	71.2	.226	16	999.
CLAYTON L.	79.0	71.1	.111	109.8	44.9	.263	9	72.
DAAQUAM ME.	112.0	71.4	.157	98.4	42.4	.257	9	114.
MUSQUACOOK	135.0	61.5	.220	97.1	40.1	.245	9	139.
BIG MACHIAS	124.0	78.7	.158	86.0	36.8	.258	8	144.
ST. PAMPHILE	999.9	999.9	9.999	128.1	62.0	.205	7	999.
ALLAGASH B	124.0	78.7	.158	127.2	58.1	.218	24	97.
VANCEBORO	999.9	999.9	9.999	104.2	45.3	.226	12	999.
BAILEYVILLE	999.9	999.9	9.999	77.1	37.2	.221	11	999.
NINE MILE BRIDGE	999.9	999.9	9.999	150.4	82.2	.206	13	999.
HOULTON-B	999.9	999.9	9.999	109.2	49.4	.219	14	999.
SISSON LAKE	999.9	999.9	9.999	128.5	62.3	.202	5	999.
MOUNT CARLETON	999.9	999.9	9.999	113.9	48.3	.248	8	999.
FREDERICTON	999.9	999.9	.000	115.6	40.4	.286	16	999.
POINT WOLFE (LOW	999.9	999.9	.000	80.4	35.4	.221	13	999.
TURTLE	999.9	999.9	.000	92.2	42.4	.218	19	999.
MONCTON	999.9	999.9	.000	79.2	40.9	.214	18	999.
COAL BRANCH	999.9	999.9	.000	116.5	49.1	.233	19	999.
RENOUS	999.9	999.9	9.999	114.9	51.1	.215	15	999.
LYTTLETON	999.9	999.9	9.999	110.1	53.8	.208	24	999.
TROUT BROOK	999.9	999.9	9.999	115.8	55.6	.206	22	999.
PABINEAU FALLS	999.9	999.9	9.999	132.3	60.7	.231	22	999.
BATHURST	999.9	999.9	9.999	110.0	52.3	.218	22	999.
JACQUET	999.9	999.9	9.999	162.5	71.2	.225	19	999.
UPSALQUITCH	999.9	999.9	9.999	119.3	61.5	.192	21	999.
RESTIGOUCHE	999.9	999.9	9.999	138.9	65.7	.206	21	999.
CHARLO AIRPORT	999.9	999.9	9.999	159.9	56.8	.275	15	999.
CHATHAM DND	999.9	999.9	.000	105.0	36.7	.304	18	999.
LITTLE TOBIQUE	999.9	999.9	9.999	98.5	56.1	.171	15	999.
KILMARNOCK	99.0	51.1	.194	94.0	48.7	.181	8	105.
GUERRETTE	999.9	999.9	9.999	126.7	58.7	.211	8	999.
LAC ABENAQUIS	999.9	999.9	9.999	119.3	51.7	.229	17	999.
DAAQUAM	999.9	999.9	9.999	167.2	71.1	.233	29	999.
ESTCOURT	999.9	999.9	9.999	130.9	54.7	.234	29	999.
LAC POULIN	999.9	999.9	9.999	126.1	52.7	.235	17	999.

JANUARY 31,1990
SNOW COURSE STATION LISTING

STATION NAME	CURRENT WATER (mm)	CURRENT DEPTH (cm)	CURRENT DENSITY	LONG TERM AVERAGE WATER (mm)	LONG TERM AVERAGE DEPTH (cm)	LONG TERM AVERAGE DENSITY	YRS OF RECORD	WATER % OF NORMAL
MATAPEDIA	999.9	999.9	9.999	126.0	58.4	.203	8	999.
PELLETIER	999.9	999.9	9.999	172.2	70.2	.239	31	999.
ST ALEXANDRE	999.9	999.9	9.999	141.2	58.3	.236	30	999.
STE BLANDINE	999.9	999.9	9.999	178.9	109.3	.232	24	999.
ST LEON	999.9	999.9	.000	119.4	53.1	.218	30	999.
ST LUDGER	999.9	999.9	9.999	87.9	40.2	.215	29	999.
ST PERPETUE	999.9	999.9	9.999	161.1	67.3	.235	28	999.
STE ROSE	999.9	999.9	9.999	161.3	67.1	.238	29	999.
ST ROSE DU DEGEL	999.9	999.9	9.999	149.8	63.4	.232	27	999.
ST THEOPHILE	999.9	999.9	9.999	104.6	46.4	.223	29	999.
WHITWORTH	999.9	999.9	9.999	166.6	68.0	.237	27	999.

********** NOTE 999.9 INDICATES NO DATA THIS DATE
WATER (W.E.) - WATER EQUIVALENT (mm)
DEPTH - DEPTH OF SNOW (cm)
DENSITY - DENSITY OF SNOW

	LONG TERM AVERAGE W.E.(mm)	LAST YEARS AVERAGE W.E.(mm)	THIS YEARS AVERAGE W.E.(mm)	THIS YEARS % NORMAL W.E.(mm)
SAINT JOHN BASIN	120.7	102.9	136.4	113.
BASIN ABOVE BEECHWOOD	136.5	122.1	157.6	116.
BASIN BELOW BEECHWOOD	93.8	81.8	113.0	121.